

CLAIMS

I claim:

1. An automatic wire lubricating device, comprising:

(a) first and second components each having a body section of semi-cylindrical configuration defining a portion of a continuous cylindrical interior reservoir formed by said body sections when fastened together;

(b) means for detachably fastening said body sections together to releasably secure said body sections of said first and second components together in order to assemble said body sections into an annular body having a cylindrical configuration and defining a central opening;

(c) a coupler on an outer circumferential side of said body section of said first component connected in flow communication with said interior reservoir and adapted for attachment to a soap line coming from a pump;

(d) means defined through said body sections extending from said interior reservoir to said central opening for providing flow communication from said interior reservoir to said central opening when said body sections are fastened together; and

(e) an externally threaded cylindrical nipple formed by one of said axially displaced ends of said assembled body sections of said first and second components for attaching a bushing thereon to keep from scaring the wire or to facilitate the attachment of a rubber grommet for ensuring a "no mess" application of soap on the wire during a vertical pull thereof through said central opening of said assembled body sections.

2. The device of claim 1 further comprising:

an internally threaded cylindrical clamping flange formed by the other of the axially displaced ends of said assembled body sections of said first and second components for attaching about a threaded end of an externally threaded

conduit through which the wires are to be pulled.

3. The device of claim 1 further comprising:

coupler pins formed on opposite ends of said body sections of said first and second components which fit together so as to make a tight seal of said interior reservoir when said first and second components are fastened together.

4. The device of claim 1 wherein said interior reservoir, flow communication providing means and coupler pins are arranged to permit soap to travel 360 degrees through the interior reservoir around said body sections.

5. The device of claim 4 wherein said flow communication providing means is a plurality of interior dispensing holes circumferentially spaced apart permitting the squirting out through said interior dispensing holes onto wire being pulled through said central opening of said body sections.

6. The device of claim 1 wherein said means for detachably fastening said body sections together includes:

pairs of aligned sleeves formed at opposite ends of the respective body sections; and

a pair of pins each inserted through one of said pairs of aligned sleeves for releasably securing said body sections of said first and second components together to assemble said body sections into said annular body.

7. The device of claim 1 wherein said coupler includes:

a pipe fitting attached on an outer circumferential side of said body section of said first component and in flow communication with said interior reservoir; and

a quick connect member which fits into said pipe fitting such that said quick connect member can be attached to a soap

line coming from a pump.

8. An automatic wire lubricating device, comprising:

(a) first and second components each having a body section of semi-cylindrical configuration defining portion of a continuous cylindrical interior reservoir formed by the body sections when fastened together;

(b) means for detachably fastening said body sections together to releasably secure said body sections of said first and second components together to assemble said body sections into an annular body having a cylindrical configuration and defining a central opening;

(c) a coupler on an outer circumferential side of said body section of said first component connected in flow communication with said interior reservoir and adapted for attachment to a soap line coming from a pump;

(d) means defined through said body sections extending from said interior reservoir to said central opening for providing flow communication from said interior reservoir to said central opening when said body sections are fastened together; and

(e) tubular elements formed on opposite ends of said body sections of said first and second components which fit together so as to make a tight seal of said interior reservoir when said first and second components are fastened together.

9. The device of claim 8 further comprising:

an internally threaded cylindrical clamping flange formed by the other of the axially displaced ends of said assembled body sections of said first and second components for attaching about a threaded end of an externally threaded conduit through which the wires are to be pulled.

10. The device of claim 8 wherein said interior reservoir, flow communication providing means and tubular

elements are arranged to permit soap to travel 360 degrees through the interior reservoir around said body sections.

11. The device of claim 8 wherein said flow communication providing means is a plurality of interior dispensing holes circumferentially spaced apart permitting the squirting out through said interior dispensing holes onto wire being pulled through said central opening of said body sections.

12. The device of claim 8 wherein said means for detachably fastening said body sections together includes:

pairs of aligned sleeves formed at opposite ends of the respective body sections; and

a pair of pins each inserted through one of said pairs of aligned sleeves for releasably securing said body sections of said first and second components together to assemble said body sections into said annular body.

13. The device of claim 8 wherein said coupler includes:

a pipe fitting attached on an outer circumferential side of said body section of said first component and in flow communication with said interior reservoir; and

a quick connect member which fits into said pipe fitting such that said quick connect member can be attached to a soap line coming from a pump.

14. An automatic wire lubricating device, comprising:

(a) first and second components each having a body section of semi-cylindrical configuration defining one-half of a continuous cylindrical interior reservoir formed by said body sections when they are fastened together;

(b) means for detachably fastening said body sections together to releasably secure said body sections of said first and second components together to assemble said body sections

into an annular body having a cylindrical configuration and defining a central opening;

(c) a pipe fitting attached on an outer circumferential side of said body section of said first component in flow communication with said interior reservoir such that said pipe fitting can be coupled to a soap line coming from a pump;

(d) circumferentially spaced dispensing holes defined through interior walls portions of said body sections which provide flow communication between said interior reservoir and said central opening formed through said annular body defined by said body sections of said first and second components when the latter are fastened together;

(e) an externally threaded cylindrical nipple formed by one of the axially displaced ends of said assembled body sections of said first and second components for attaching a bushing thereon to keep from scaring the wire or the attachment of a rubber grommet for ensuring a "no mess" application of soap on the wire during a vertical pull thereof through said central opening of said body;

(f) an internally threaded cylindrical clamping flange formed by the other of the axially displaced ends of said assembled body sections of said first and second components for attaching about a threaded end of an externally threaded conduit through which the wires are to be pulled; and

(g) coupler pins formed on opposite ends of said body sections of the first and second components having O-rings around them and which fit together so as to make a tight seal of the interior reservoir when said first and second components are fastened together.